

Workshop sponsored by:



NEW DESIGN PARADIGMS

IMPROVING QUALITY & CUTTING TIME
GOING FROM CONCEPT TO HARDWARE

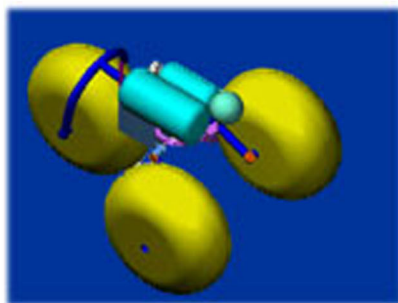
26-28 June, 2001 8.30 am - 5.00 pm

Doubletree Hotel Pasadena-Plaza Las Fuentes, 191 N. Los Robles Ave., Pasadena, CA 91101
Tel:1-626-792-2727 Fax:1-626-792-3755

The workshop will take a systems perspective and look at the full concept to hardware design cycle, across disciplines, and across industries. It will include a mix of talks, panel discussions, discussion groups, and tours of selected facilities at JPL. The workshop will feature prominent speakers from:

**NASA, JPL, ESA, NASDA, Lockheed Martin,
Boeing, Astrium, MELCO, MIT, USC and GMU.**

For more information, on-line registration,
Abstract and presentation submission, go to:
<http://nsd2001.jpl.nasa.gov>



PROGRAM COMMITTEE

Dr. Knut I. Oxnevad, JPL, Chairman
Dr. Pat Patterson, NASA HQ
Dr. Richard Evans, RGI
Paul Gowler, JPL
Madhu Thangavelu, USC
Dr. Robert Belie, Lockheed Martin

PRESENTATIONS IN THE FOLLOWING AREAS ARE ENCOURAGED

METHODOLOGIES

- Concept Formulation
- Concurrent Design
- Concurrent Engineering
- Virtual Manufacturing

ENABLING TECHNOLOGIES

- STEP
- Rapid Prototyping
- Internet/Intranet/WWW
- Immersive Technologies/Virtual Reality (VR)
- High Performance Computing
- Unified Datamodels
- Product Data Management (PDM)
- Integrated CAD - analyses/simulation tools

CROSS INDUSTRIAL EXPERIENCES

- Automobile
- Spacecraft
- Oil and Gas Well Analysis and Design
- Front Loaders (Caterpillar)
- Software
- Amusement Park
- Aircraft

TRENDS

- Evolution of Design/Lessons Learned (Viking, Saturn, Sojourner)
- Virtual Reality Design, Analysis, and Manufacturing; The Future
- The Limitations of VR in the design process



CONTACT
JPL

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